

IN THE CLAIMS:

Please amend claim 22 as follows:

22. (amended) In a multiple phase electrical system for supplying power from an AC source to one or more nonlinear loads connected to at least one phase line therein, a device for substantially eliminating currents in a neutral wire, said device comprising:

a first completely-passive parallel resonant circuit having three passive electrical branches connected and parallel; [and]

said first completely-passive parallel resonant circuit is tuned to a [predetermined] third harmonic frequency of a fundamental frequency of said AC source; and

said three passive electrical branches comprises a first branch consisting of a capacitor, a second branch consisting of a reactor, and a third branch consisting of a resistor.

Please cancel claims 23-25 without prejudice, and without abandonment or dedication of the subject matter thereof.

Please amend claim 26 as follows:

26. (amended) A device according to claim 22, wherein:

each phase line of said multiple phase electrical system supplies power to an associated one of said nonlinear loads;

said device includes a second completely-passive parallel resonant circuit and a third completely-passive power resonant circuit;

each of said first, second and third completely-passive parallel resonant circuits is connected along a separate phase line of said multiple phase electrical system in series with at least one of said nonlinear loads which has its power supplied by said separate phase lines; and

each of said first, second and third completely-passive parallel resonant circuits is tuned to said ~~[predetermined]~~ third harmonic frequency of said fundamental frequency of said AC source.

Please cancel claims 27 and 28 without prejudice, and without abandonment or dedication of the subject matter thereof.

Please amend claim 29 as follows:

29. (amended) A device for substantially eliminating a predetermined harmonic current generated by a nonlinear load in an electrical distribution system which distributes power from an AC source, said device comprising:

a completely-passive power resonant circuit connected in series with said nonlinear load; said completely-passive power resonant circuit comprises three completely-passive electrical branches; [and]

said completely-passive power resonant circuit is tuned to [the frequency of said predetermined harmonic current] a third harmonic frequency of a fundamental frequency of said AC source to change the current drawn by said nonlinear load; and

said three completely-passive electrical branches comprise a first branch consisting of a capacitor, a second branch consisting of a reactor, and a third branch consisting of a resistor.

Please cancel claims 30-32 without prejudice, and without abandonment or dedication of the subject matter thereof.

Please amend claim 39 as follows:

39 (amended) A device for reducing currents in an electrical system which supplies power to a nonlinear load from an AC source, comprising:

a completely-passive parallel resonant circuit connected in series with said nonlinear load;
said completely-passive parallel resonant circuit comprises three completely-passive electrical branches;

said completely-passive power resonant circuit is tuned to [the] third harmonic frequency of said [predetermined harmonic current] AC source to change the current drawn by said nonlinear load;

a housing member for said completely-passive parallel resonant circuit and means for connecting the nonlinear load to said completely-passive parallel resonant circuit.

Please cancel claims 40 and 41 without prejudice, and without abandonment or dedication of the subject matter thereof.